

# OXY ACETYLENE SAFETY AWARENESS

## Program Overview:

Commonly used for welding, cutting, brazing and heating, the Oxy acetylene process is one of the best techniques available for many applications. Oxy-acetylene welding and cutting is a very versatile method. However, acetylene is an unstable hydrocarbon that must be handled with care. The use of oxygen and acetylene gases presents a number of potential hazards: high pressure, flammability, asphyxiation and oxygen enrichment. Consequently, it is very important to respect all safety measures and applicable regulations when using, transporting or storing. This safety awareness course provides instruction on safely handling, setting up, and operating the equipment. Key areas include identifying flame types (neutral, oxidizing, carburizing), cylinder safety, and equipment inspection (regulators, flashback arrestors).

## Training Content:

- Legislation
- Types of Training- TSSA, CWB
- Oxygen: General Properties and Hazards
- Acetylene. General Properties and Hazards
- Proper set up , handling and storage of cylinders
- Leak detection,
- Fire prevention,
- Handling equipment like regulators and torches to mitigate explosion risks.
- Basic safety considerations and precautions including PPE

**Course Delivery Method:** This course is offered as an in-person session. This course can also has a hands-on demonstration component with the Oxy acetylene cylinders and torches.

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### Legal Disclaimer

It is the employer's responsibility to ensure that each of their employees is properly trained. This program provides training of a general nature and may not include the hazards that are unique to your workplace. The intent of this training program is to outline expected industry standards.

Employers must always ensure that their workers are properly trained according to the hazards and regulations specific to their workplace and job tasks. LEVAC HEALTH & SAFETY has made every attempt to ensure the accuracy and reliability of the training material that has been provided in this training program.

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