



## Risk Element

- Fire;
- Exposure to fumes;
- Eye injury;
- Burn injury;
- Danger to third parties.

## Precautions to Eliminate/Reduce Risk

- No employee is permitted to use the Oxy-Acetylene equipment unless they have received the necessary training;
- Wear issued protective workwear, Eye protection, Heat resistant gloves, Safety footwear;
- Use respiratory protective equipment;
- Pre use checks in accordance with training;
- Removal of combustibles;
- Check portable dust/fume extraction is working;
- Know the location of fire extinguishers.

## Safe Working Method

- Ensure work area is clear of any combustibles, e.g. oil, plastic, paper, etc.;
- Ensure that the workpiece is suitably secured before commencing work;
- Visually inspect equipment i.e. condition of regulators, pipes and nozzle;
- Remove bystanders that are not involved in the procedure;
- Follow manufacturer's instructions as to lighting up and shutting down torch;
- Switch off and isolate Oxygen-Acetylene equipment;
- Ventilate work area or position portable dust/ fume extraction unit;
- On completion of work, check surrounding area for smouldering. Clean area, and Re-check for smouldering after 30 minutes.

## Action in an Emergency

- Switch off and isolate Oxygen-Acetylene equipment;
- **FIRE:** Raise the alarm, attempt to extinguish fire (if safe and without risk);
- Remove injured person(s) from danger area (if safe and without risk);
- Render first aid & report to a Manager/Supervisor.