



## Electric Mig Welder Awareness Reminder

### Potential Hazards

▶ An electric mig welder can be hazardous when improperly used. Incidents could include electric shock, fire, or personal injury.

### Solutions

- ▶ The following general precautions should be observed by electric mig welder users:
- Avoid electrical shock. Do not permit electrically live parts, cables, or electrodes to contact skin, clothing, or gloves. Protective clothing should be free of holes, dry, and ANSI approved.
  - Avoid breathing fumes or gases. They can cause serious health problems. Use an active ventilation system directly above the welding area. Keep your head out of the fumes.
  - Avoid eye and body damage. Arc rays and infrared radiation can injure eyes and burn skin. Wear ANSI approved eye and body protection. Do not allow viewing by visitors without proper eye and body protection. Use a Face Shield with arc shaded filter plate.
  - Know proper arc welding practices. Read and understand this instruction manual, and well as your employer's safety practices for arc welding.
  - Avoid fire and explosion. Remove flammable and explosive material from at least 35 feet from the welding arc to prevent welding sparks or molten metal from starting a fire.
  - Maintenance. For your safety, service and maintenance should be performed regularly by a qualified technician.
  - Use proper size and type extension cord. If an extension cord is required, it must be of the proper size and type to supply the correct current to the tool without heating up.
  - Pacemaker safety warning. People with pacemakers should consult with their physician(s) before using this product.
  - Connect only to a code approved power source. Connect only to a grounding power source conforming to the National Electrical Code and Local Codes.
  - Wear proper clothing when welding. Use flameproof, welding-type gloves. Wear cuffless pants and pocketless shirt. Both must be free of oil and grease. Wear hightopped, safety shoes with rubber soles.

**Proper Training on Safety Awareness for each piece of equipment should be documented in the Training Log**

## Electric Mig Welder Awareness Training Record

<u>Student Name</u>	<u>BUID</u>	<u>Trainer Signature</u>	<u>Date</u>

Environmental Health & Safety  
Charles River Campus: 353-4094  
Medical Campus: 638-8830  
Web: <http://www.bu.edu/EHS>