Welding and Cutting Safety Topic



An overview of safety requirements for welding cutting and brazing in a general industry workplace.

Overview

The term ‘Hot Work’ refers to any designated welding, cutting and/or brazing operations. These procedures pose a unique set of hazards, such as fire, explosion, toxic atmospheres, electrical shock and ultraviolet radiation which in turn cause a higher rate of employee injury. It is the employer’s responsibility to both provide satisfactory PPE and employee training. Note that employer responsibility also extends to the maintenance and inspection of equipment.

Safe Work for Hot Work

OSHA regulates welding, cutting and brazing operation in the workplace where any type of electric/gas equipment is used (see 29 CFR 1910.251-.255). Fire prevention/protection, personnel safe work practices, and equipment design specifications are all addressed by OSHA. Safety measures should be taken for…