

Worksite: _____ Instructor: _____ Date/Time: _____

Topic C058: Welding Checklist

Introduction: Everyone involved in welding operations must take precautions to prevent fires, explosions, or personal injuries from welding hazards. Following are questions to go over before welding operations begin:

- Have you had training to accomplish the job safely?
- Have you been briefed on hazards unique to this particular job?
- Have you read the manufacturer's instructions, cylinder labels, and Material Safety Data Sheets (MSDS's)?
- Is heat and impact resistant clothing being used?
- Is the proper clothing being worn to reduce skin burns?
- Are leather aprons, leggings, and sleeves worn for very hot work?
- Are dry welders gloves used during arc welding?
- Are proper respirators used when welding cadmium, lead, or other materials where toxic fumes could form?
- Has a fire resistant shield been placed over floors, walls, or other objects that could potentially catch fire?
- Have all flammable items in the hot work area been removed or covered?
- Is eating, drinking, and smoking prohibited while hot work is in progress?
- Have all ducts that could carry sparks been closed?
- Is adequate ventilation present in the hot work area?
- Where welding is conducted near combustible material is a firewatcher routinely posted with operational fire extinguishers?

Gas Welders: Are cylinders regularly checked for leaks?

- In storage, are cylinders stored upright and secured in a separate, dry, ventilated, fireproof room?
- Are cylinders always turned off after use?
- Have you been instructed to never roll or drop cylinders?
- Have you been instructed to never use oxygen to blow dust away?
- Is smoking forbidden during welding operations?
- Do you regularly review the MSDSs for the gases you are using?
- Do you know the proper lubricants to use on compressed oxygen cylinder connections?

Arc Welders:

- Have you been de-energized before touching electrical parts?
- Are objects to be welded on, separately grounded?
- Do you know the correct size cable, with intact insulation to use for a given operation?
- Do you know that jewelry should not be worn when welding?
- Is the work surface, floor, and object dry before starting to weld?
- Is it forbidden to weld in the rain?

Confined Spaces:

- Is the atmosphere tested before entering and while working?
- Do gas cylinders remain outside at all times?
- Has personal protective equipment (PPE) been considered?
- Is first aid equipment readily available, and are safety attendants properly equipped?

Personal Protective Equipment: Are helpers or attendants provided with the proper eye protection?

- Are helmets or hand shields being used during all arc welding or cutting operations, excluding submerged arc welding?
- Are goggles or other suitable eye protection required to be used during all gas welding or oxygen cutting operations?
- Are spectacles without side shields, with suitable filter lenses permitted during gas welding operations on light work?
- Do all operators and attendants of resistance welding, or brazing equipment using transparent face shields or goggles?
- Are helmets and hand shields made of a material not readily flammable and are they capable of withstanding sterilization?
- In areas immediately hazardous to life, is a full face piece, pressure-demand, self-contained breathing apparatus, or a combination full face piece, pressure-demand supplied-air respirator with an auxiliary, self-contained air supply being used?

Conclusion: Health hazards associated with exposure to fumes, gases, and ionizing radiation, formed or released during welding, include heavy metal poisoning, lung cancer, metal fume fever, and flash burns. Always communicate with fellow workers and work safely.

Employee Attendance: (Names or signatures of personnel who are attending this meeting)

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_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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These guidelines do not supersede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.