



Hot Work Safety

What this Toolbox Talk Covers:

- ✓ The “Dos” and “Don’ts” of welding, cutting or grinding.

Discussion Leader Duties:

- ✓ Demonstrate examples of safety guidelines and general rules for hot work.

Discussion Notes:

- ✓ Discuss the outcomes of the “Dos” and “Don’ts.”

- Do**
- Wear appropriate safety gear when welding, cutting or grinding. Personal protective equipment worn during hot work should include eye protection, hearing protection, heat-resistant clothing, safety boots and gloves made of leather or other flameproof material.
 - Try to weld only in well-ventilated areas.
 - Keep other people a safe distance from hot work operations to prevent them from being burned or injured.
 - Keep aisles and stairways clear of cables and equipment.
 - Have a working fire extinguisher close by.
 - Use respiratory protection to protect against toxic chemicals and gases.

- Don’t**
- Work in confined spaces that have not been atmosphere-tested.
 - Weld, cut or grind near flammable or combustible materials, liquids, vapors or dusts.
 - Use equipment that is not in good condition. Inspect for loose connections and bare wires or cables before operating any machinery.
 - Begin working without testing the work area for flammable gas.
 - Store cylinders of oxygen within 20 feet of cylinders containing flammable gases.

Discussion questions:

1. What are some examples of personal protective gear to wear when doing hot work?
2. Why should you keep other people at a safe distance from hot work operations?
3. What are some examples of what to look for when inspecting hot work equipment?
4. What should you have close by when doing hot work?

Meeting notes:

Employee comments/concerns: _____

Other safety issues to be addressed on the job/facility: _____

Training record: Date: _____ Jobsite/Facility: _____
 Trainer: _____ Title: _____

Employee name (print)	/ (signature)	Employee name (print)	/ (signature)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Continue recording signatures on a separate sheet of paper)

Employee Quiz is provided on last page. Answers are: 1. (a), 2. (a), 3. (c), 4. (d), 5. (b)



Hot Work Safety

Hazards include:

Burns to the eyes or skin, hearing damage, explosive hazards, serious injury and even death.

Smart Safety Rules

- Do not perform hot work where flammable vapors or combustible materials exist. When possible, relocate work and equipment outside of the hazardous areas.
- When welding or cutting is performed in locations where anything greater than a minor fire might occur, assign additional personnel as “fire watchers” to guard against fire.
- Ensure there is adequate ventilation from toxic welding and cutting fumes before beginning work.
- Notify your supervisor if you experience any of the following symptoms of metal fume fever: metallic taste in the mouth, weakness, fatigue, joint and muscle pain, fever, chills or nausea.



Employee Quiz

Topic: Hot Work Safety

Employee Name: _____

Circle the correct answer below.

1. When should you use additional personnel as “fire watchers” on a hot work site?
 - a. When working in a location where anything greater than a minor fire might occur
 - b. When there are more welders than fire extinguishers onsite
 - c. When a welding permit has not been secured
 - d. When the worker performing the hot work does not know where the fire extinguisher is located
2. It is a bad idea to weld in an area that is not well-ventilated.
 - a. True
 - b. False
3. Cylinders of oxygen should not be stored less than ____ feet from cylinders of flammable gases.
 - a. 10
 - b. 15
 - c. 20
 - d. 25
4. You should not weld, cut or grind near:
 - a. Flammable or combustible materials
 - b. Flammable or combustible liquids
 - c. Flammable or combustible vapors
 - d. All of the above
5. Which of the following is not a symptom of metal fume fever?
 - a. Fever
 - b. Swollen ankles
 - c. Nausea
 - d. Metallic taste in the mouth

Training record: Date: _____ Jobsite/Facility: _____
Trainer: _____ Title: _____