

# Welding with electrodes

## 1. Purpose

The purpose of these safety instructions is to ensure that, having read the instructions, the employee is aware of the risks associated with the described work activities and can perform them safely.

## 2. General

Welding is the joining of materials using pressure and/or heat. When welding, material is added, creating continuity between the parts to be joined. In contrast to soldering, welding also melts the material of the workpiece, not just the added material.

## 3. Risks

- Burns
- Fire
- Explosion
- Health problems caused by welding fumes
- Noise pollution
- Electric shock
- Radiation

## 4. Measures

- Check the safe operation of the equipment before use
- Keep the welding torch and burner tips clean
- Choose the right electrode, wire or burner tip
- Wear personal protective equipment to protect against heat and radiation, especially the eyes, face and hands
- Keep fire extinguisher near the welding area
- Welding only by certified personnel
- Be sure the gas cylinders that are used are standing firmly and protected against falling
- Never wear a safety vest during welding
- Maintain a tidy work area
- Keep a suitable fire extinguisher within reach
- Cover combustible materials



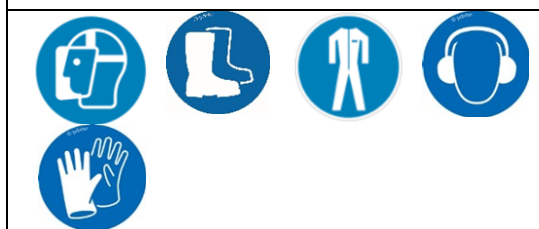
## 5. Picture



## 6. Pictograms



## 7. Required PPE



- Only use welding equipment that is in good condition and has been approved.
- Provide adequate local fume extraction and ventilation
- Be alert to fire hazard
- Wear the proper personal protective equipment.



- Welding in confined spaces without additional measures
- Welding without welding mask
- Never work with dirty clothing, soiled with substances such as oils and greases
- Use unearthed material
- Never weld near flammable materials.

Owner:

Status:

Document code:

HSE Coordinator

Released

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