



4 Steps



★ Welding Risk Management Process



What is Welding?

Welding is the process of permanently joining two or more materials together, usually metals, by heat or pressure or both.



1

Identify the Hazards

The first step in managing risks associated with welding processes is to identify all the hazards that have the potential to cause harm.

Potential hazards may be identified in a number of different ways including:

- Conducting a walk through assessment of the workplace
- Inspecting the materials and equipment that will be used during the welding process
- Reading product labels, SDSs and manufacturer's instruction manuals
- Talking to manufacturers, suppliers, industry associations and health and safety specialists
- Reviewing incident reports

2



Assess the Risk

This involves considering what could happen if someone is exposed to a hazard combined with the likelihood of it happening

4



Review the Control Measures

The control measures that are put in place to protect health and safety should be regularly reviewed to make sure they are effective. Review methods include workplace inspection, consultation, testing and analysing records and data.



3

Control the Risk

Always aim to eliminate a hazard and associated risk first. If this is not reasonably practicable, the risk must be minimised by using one or more of the following approaches:

- Substitution - replace a hazardous process or material with one that is less hazardous
- Isolation - removing the welder and nearby workers from the hazard or isolating or screening the hazard from the welder
- Engineering Controls - use engineering control measures to minimise the risk