SafetyDocs by SafetyCulture

Company Name:
Company Address:
ABN/NZBN:

TIG WELDING SOP

ACRONYMS

LEV - Local Exhaust Ventilation.

LOTO – Lockout/Tagout.

[illegible]

HAZARDS - What can cause harm?

- Noise
- Electricity
- [illegible]
- Poor housekeeping

PRECAUTIONS

- All operators are to be trained and competent to operate TIG Welder safely. Operator training should include:
  - Workplace induction
  - Safe operating procedures
  - [illegible]

Confined space permits and procedures are in place before welding in a "Confined Space."

PPE

PRE-OPERATIONAL INSPECTION

- Follow the pre-operational checklist in the manufacturer's operational manual
  - [illegible]
  - Work leads, nozzle, handpiece free of damage
  - Gas cylinders secured, suitable regulators installed, good condition labelled and within test date.

MAINTENANCE

- Follow LOTO procedures record service/repairs information in Maintenance Log. Maintenance is to be conducted as per manufacturers' instructions and by qualified persons only
  - [illegible]

SAMPLE

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This SOP does not cover all possible hazards associated with the task and should be used in conjunction with other references where necessary. It is designed as a general guide only to be used to complement more specific training or instruction.

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WORK AREA

No flammables

Fire extinguisher

Adequate lighting

Signage

OPERATION

1. Operate in accordance with manufacturers' instructions
2. PPE:
   a. Thick leather welding gloves,
3. Choose the correct electrode for specific tasks:
   a. Pure tungsten – aluminum and magnesium
   b. Thorium tungsten - carbon and stainless steel
5. Make sure the workpiece is clean before welding ensuring the surface is clean from oil, grease, paint, dirt, oxides, and other foreign material
6. Choose the settings: refer to the settings calculator
8. Fix and position workpieces by clamping so they'll stay where you want them when you weld
9. Weld, ensure:
   a. Keep close and consistent contact tip to work distance but ensure electrode does not touch the workpiece

ON COMPLETION, ENSURE:

- ✓ Power & gas is turned off and disconnected
- ✓ Remove all used and unused electrodes from the electrode holder
- ✓ Leave the work area in a safe, clean, and tidy.

SAMPLE

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PPE Register

{company_name} maintains the following register of all PPE supplied to employees. {company_name} ensures all items of PPE are manufactured, used, and maintained in accordance with the relevant standards. Each employee has been trained in the correct use of the PPE issued.

[redacted]	Eye Protection	Face Protection	[redacted]	Breathing Protection	?	?
[redacted]			[redacted]			
	☐	☐		☐	☐	☐

[redacted]	[redacted]	Date Issued	Replacement Due Date	[redacted]	Manager Signature

SAMPLE

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