

## Safe Work Instruction - LPG - Gas Heating Torch

**DO NOT use this plant\* unless you have been inducted in its safe use and operation by an Authorised Experienced Operator**

This SWI may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process.  
Additional training may be required for high risk plant. Site and task may change required PPE.

### PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Protective body clothing must be worn



Improved visibility clothing must worn



Foot protection must be worn



Hand protection must be worn



P2 face mask must be worn when airborne dust or fumes are created

### POTENTIAL HAZARDS AND RISKS



#### Slip, Trips, Falls

Slip, trip, fall due to uneven or slippery work surfaces



#### Manual Task Injury

Manual task injury from incorrect manual handling techniques



#### Explosion

Explosion of gases, vapours or liquids



#### Burns

Injury from contact with gas flames or heated materials and head of gas torch

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Complete a Hot Works Risk Assessment Checklist
- ✓ Complete visual inspection of equipment including checking fitting are connected correctly and no gas leaks
- ✓ Ensure grease or oil not used on fitting.
- ✓ Ensure you are familiar how used equipment
- ✓ Operate equipment in accordance with manufacturers guidelines
- ✓ Ensure another ignition source kept clear from work area

### OPERATING PROCEDURES

- ✓ Ensure correct lifting techniques used loading/unloading equipment
- ✓ Ensure location of equipment and gas hose not able to be damage or cause further hazards/ risks when being used
- ✓ Ensure no person or animal is endangered when operating equipment
- ✓ Light torch only with approved ignition gun
- ✓ Ensure gas flame is correctly adjusted and heating torch tip does not touch materials being heated
- ✓ Keep body parts away from hot torch or naked flame
- ✓ Where able operating gas torch keep body up-wind too naked flame.

### ENDING OPERATIONS

- ✓ When torch not in use turn both torch and LPG bottle off
- ✓ Allow equipment to cool before performing any maintenance, cleaning or disconnection of fittings
- ✓ Ensure equipment is secure when being transported.

### DO NOT

- ✗ Do not use if plant is faulty. Attach an **OUT OF SERICE** tag and report fault to your supervisor
- ✗ Do not use heating torch on total fire band days
- ✗ Do not leave plant running unattended
- ✗ Do not leave keys in machinery whilst unattended
- ✗ Do not use mobile phone while operating plant

\*Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.