Hazard Register

Type	SINE WAVE INVERTER	**Location**	
Make	ITech World	**Sale Number**	9059515
Model	400W	**Lot Number**	0001
Serial Number			

ID	Hazard Type	Hazard Description
142851.2	Work Environment	Plant operation in humid, wet or damp conditions
142851.3	Electrical	Electric shock resulting from output terminal of the welding plant, touching the workpiece and electrode, uncovered skin contact with electrode or as a result of poorly maintained earth leds
142851.4	Manual Handling	Operator strains and/or sprains from handling workpieces, product on and off the plant and/or handling of empty and full gas cylinders
142851.6	Noise	Operator exposed to a work environment where noise levels exceed specified maximum levels. eg <85dB(A)
142851.7	Ergonomic	Operator strains and/or sprains from operating plant that has been positioned as to required the operator to have a constrained body posture or require excessive effort
142851.8	Chemicals	Uncontrolled release of gas(es) in cylinders as a result of contact with mobile plant, valve failure/damage or inappropriate handling
142851.12	PPE	Operator injury resulting from not wearing provided PPE, wearing poorly maintained PPE, wearing insufficient or inapproporaite PPE
142851.13	Work Environment	Plant operation occuring in the vicinity of other activities/people
142851.14	Ventilation	Operator inhalation of harmful fumes and gases
142851.16	Plant Maintenance	Not isolating, de-energising plant before commencing cleaning and/or maintenance activities.
142851.17	Slipping and Tripping	Obstacles being placed in the vicinity of the plant
142851.18	Electrical	Operator may receive an electrical shock from contact with a faultly electrical device or equipment (i.e. portable hand-held stationary appliance, cord extension sets and outlet devices, flexible equipment connected to equipment in hostile environments, portable isolation transformers, Residual Current Devices (RCD's), commercial and industrial battery chargers, portable and transportable 415V heavy duty tools)
142851.19	Plant Controls	Unintentional or incorrect operation of plant as a result of poorly labelled/unlablled or incorrectly labelled controls
142851.20	Plant Operation	Plant operated by employees without suitable instruction and training
142851.21	Fire/Explosion	Due to arc, flame, sparks or spatter or electrical faults in combination with flammable materials, gases or liquids.
142851.22	Slipping and Tripping	Uneven or slippery work surfaces
142851.24	Plant Operation	Operator is not provided with Standard Operating instructions

Health and Safety
Plant Safety
Purchaser Information

This plant health and safety information has been prepared by Grays for the purchaser of the plant item as required by National WHS Legislation. Whilst every effort has been made to identify all of the hazards, it should be recognised that all reasonably practicable hazards have been identified given due consideration to:

- state of knowledge about the plant item
- the availability and suitability of ways to eliminate or control the hazards
- the cost of evaluating, eliminating or controlling the hazard

Consequently, if this plant item is being purchased for use at a place of work, the purchaser is reminded of their obligations to involve and consult with employees in identifying foreseeable hazards, assess their risks and to take action to eliminate or control the risks.

In order to assess the risk, it is necessary to consider for all the identified hazards, the chance (likelihood) of something happening that would impact (consequence) on health and safety at the workplace. The following guidelines are provided to assist the purchaser in consistently carrying out an assessment of risk:

Likelihood

- Frequency and duration of exposure
- Probability of occurrence of hazard or event (including part history of incidents)
- Possibility to avoid / minimize or limit the damage, impact or harm
- Reliability and effectiveness of existing / established systems of control

Consequences

- Assume “worst case” injury, but also competent follow-up medical and rehabilitation support
- Consider forces or energy levels, highest belt tensions, size of gears, pulleys or other entrapment points and therefore body parts likely to be injured
- Consider sharpness of entrapment points, surrounding parts likely to exacerbate injury, and any give in the entrapment point
- Consider, will entrapment continue until plant is stopped, or can an injured part travel through the entrapment area
- Are temperatures of plant, or chemicals, likely to further injure entrapped person

The outcome of the risk assessment will be a prioritised list of risk control strategies and actions consistent with the following ratings:

Low risk- may be considered acceptable, where the existing controls in place are seen to be effective, requiring periodic monitoring for effectiveness.
Medium risk- considered to be unacceptable and requiring additional risk controls within medium to long term.
High risk – considered to be unacceptable and requiring action within the short to medium term.
Extreme risk – unacceptable, where immediate action required.

In all of these cases employees/operators must be made aware of the risk controls in place to protect them from the hazards.