

PRODUCT RISK / HAZARD ASSESSMENT TABLE									
PRODUCT NAME:	DAYSTAR HEATER			Assessment Carried Out By:	JAMES WEST				
MANUFACTURER:	SHIZUOKA SEIKI			Document Revision Number:	001				
OPERATOR COMPETENCY:	PLANT LICENCE NOT REQUIRED			Date Created:	22/11/2012				

No:	TYPE / NATURE OF RISK or HAZARD			LIKELIHOOD		CONSEQUENCE		RISK LEVEL		CONTROL ACTION
1.0	EXPLOSION/FIRE	1.1	EXPLOSION OR FIRE CAUSED BY RE-FUELLING WHILE EQUIPMENT IS HOT	2	LIKELY	1	FATALITY	1	HIGH	ALWAYS ALLOW EQUIPMENT TO COOL BEFORE RE-FUELLING. DO NOT USE PETROL/GASOLINE. REFER TO OPERATION MANUAL
		1.2	EXPLOSION OR FIRE CAUSED BY THE WRONG FUEL USED	2	LIKELY	1	FATALITY	1	HIGH	ONLY USE DIESEL FUEL OR KEROSENE. NEVER USE PETROL/GASOLINE
		1.3	ENVIRONMENT CATCH ON FIRE DUE TO POOR PLACEMENT OF UNIT	2	LIKELY	1	FATALITY	3	HIGH	ALWAYS KEEP SURROUNDINGS CLEAR OF FLAMMABLE MATERIALS AND CLUTTER. USE SHIELDING MAT ON WOODEN FLOOR. KEEP AWAY FROM AEROSOL BOTTLES. NOT FOR HOUSEHOLD/DOMESTIC USE. DO NOT USE ATTENDED. DO NOT USE IN THE FOLLOWING PLACES: <ul style="list-style-type: none"> ON VIBRATING AND TREMBLING FLOOR ON SLANT FLOOR (NOT HORIZONTAL) IN STAIRS, EMERGENCY EXIT, DOORWAY, ETC IN WINDY, HUMID, DUSTY OR METAL PARTICLES FLOATING IN AREAS IN AREAS DISTURBING THE MOVEMENT OF PEOPLE, ETC NEAR THE UNSTABLE STACKS/PILES
2.0	HIGH TEMPERATURE	2.1	BURNS TO HANDS AND BODY DUE TO IN CONTACT WITH HOT SURFACES	2	LIKELY	3	MINOR	2	MEDIUM	ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT (GLOVES) WHEN HANDLING WHILE HOT. OR ALLOW MACHINE TO COOL BEFORE CONTACT
		2.2	ILL HEALTH DUE TO EXPOSURE TO HIGH TEMPERATURE ENVIRONMENT	4	VERY UNLIKELY	3	MINOR	3	LOW	DO NOT ALLOW ENVIRONMENT TO HEAT UP TO LEVELS CAUSING HEAT STRESS TO PERSONS
3.0	ELECTRICAL	3.1	ELECTRICAL SHOCK OR BURNS DUE TO COMING INTO CONTACT WITH LIVE ELECTRICAL CONDUCTORS	3	UNLIKELY	2	MAJOR	2	MEDIUM	USE AS INSTRUCTED, DON'T ATTEMPT TO ACCESS ELECTRICAL INTERNALS. DO NOT MODIFY THE EQUIPMENT
		3.2	ELECTRICAL SHOCK OR BURNS DUE TO DAMAGED OR POORLY MAINTAINED ELECTRICAL LEADS/ELECTRICAL SWITCHES	3	UNLIKELY	2	MAJOR	2	MEDIUM	USE RCD ON ELECTRICAL OUTLET. TAG AND TEST EQUIPMENT REGULARLY.
		3.3	ELECTRICAL SHOCK OR BURNS DUE TO LEADS ON FLOOR EXPOSED TO TRAFFIC DAMAGE OR WATER NEAR ELECTRICAL EQUIPMENMT	3	UNLIKELY	2	MAJOR	2	MEDIUM	USE RCD ON ELECTRICAL OUTLET. NEVER OPERATE NEAR WATER
4.0	SUFFOCATION	4.1	EXCESSIVE FUMES CAUSING LACK OF OXYGEN	4	LIKELY	2	MAJOR	2	MEDIUM	ALWAYS ALLOW GOOD VENTILATION/AIRFLOW IF USING INDOORS
5.0	CHEMICAL SPILL	5.1	HEATER TIPS WHILE BEING MOVED OR STORED	2	VERY LIKELY	3	MINOR	3	LOW	UNIT MUST BE IN LEVEL POSITION AT ALL TIMES

NOTES:

- > THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED AS A INFRARED AND FORCED AIR HEATER ONLY
- > THIS DOCUMENT HAS BEEN PREPARED ACCORDING TO GUIDELINES AND RECOMMENDATIONS FOUND IN:
 - 'HAZPAK' PRODUCED BY THE WORK-COVER AUTHORITY
 - AUSTRALIAN STANDARD, AS/NZS 3760 IN-SERVICE SAFETY INSPECTION AND TESTING OF ELECTRICAL EQUIPMENT.
 - AUSTRALIAN STANDARD 4021.1 SAFEGUARDING OF MACHINERY 1996
 - NSW OCCUPATIONAL HEALTH AND SAFETY ACT 2000
 - NSW OCCUPATIONAL HEALTH AND SAFETY REGULATION 2001

"LIKELIHOOD LEVEL" REFERS TO THE PROBABILITY OF AN EVENT HAPPENING. THE FOLLOWING SCALE HAS BEEN USED TO DESCRIBE THE LIKELIHOOD OF A DEFINED RISK / HAZARD EVENT OCCURING DURING NORMAL OPERATION OF THE EQUIPMENT. NOTE THAT LIKELIHOOD EVALUATION IS QUALITATIVE AND BASED ON BEST ESTIMATION VIA CONSULTATION AND EXPERIENCE:

1. **VERY LIKELY**
2. **LIKELY**
3. **UNLIKELY**
4. **VERY UNLIKELY**

"CONSEQUENCE" REFERS TO THE SEVERITY OF INJURY CAUSED DUE TO AN EVENT OCCURING, USING THE FOLLOWING SCALE AS DEFINED BY THE "HAZPAK" DOCUMENT:

1. **FATALITY** = INJURIES RESULT IN DEATH
2. **MAJOR** = NORMALLY IRREVERSIBLE INJURIES
3. **MINOR** = REVERSIBLE INJURIES REQUIRING SEVERAL DAYS OFF
4. **NEGIGIBLE** = ABLE TO BE TREATED USING FIRST AID

"RISK LEVEL" REFERS TO THE SEVERITY OF A RISK BASED ON THE "LIKELIHOOD LEVEL" AND "INJURY LEVEL".INHERENTLY, AS THE CONSEQUENCE INCREASES IN SEVERITY, RISK INCREASES - EVEN WHEN LIKELIHOOD IS LOW - THE FOLLOWING SCALE HAS BEEN USED:

1. **HIGH** = POTENTIAL DEATH, PERMANENT DISABILITY, OR MAJOR STRUCTURAL DAMAGE.
2. **MEDIUM** = POTENTIAL TEMPORARY, DISABILITY, OR MINOR STRUCTURAL DAMAGE.
3. **LOW** = POTENTIAL INCIDENT THAT HAS THE POTENTIAL TO CAUSE PERSONS TO REQUIRE FIRST AID.