

**PRODUCT RISK / HAZARD ASSESSMENT TABLE**

PRODUCT NAME:	DUAL PRESSURE WASHER DPW-4000	Assessment Carried Out By:	MICHAEL CHEN
MANUFACTURER:	MAKINEX	Document Revision Number:	001
OPERATOR COMPETENCY:	PLANT LICENCE NOT REQUIRED	Date Created:	05/08/2013

No:	TYPE / NATURE OF RISK or HAZARD		LIKELIHOOD	CONSEQUENCE	RISK LEVEL		CONTROL ACTION	
1.0	CONTACT WITH FLUID UNDER PRESSURE	1.1	PERSONAL INJURY BY WATER JET FROM SPRAY GUN	LIKELY	MINOR	3	MEDIUM	- NEVER POINT SPRAY GUN AT OTHER PEOPLE OR USE HIGH PRESSURE WATER TO CLEAN PEOPLE, ANIMALS, CLOTHING AND FOOTWEAR
		1.2	PERSONAL INJURY BY WATER JET FROM ROTARY CLEANER	UNLIKELY	MINOR	4	LOW	- NEVER PLACE ANY PART OF YOUR BODY WHILST THE ROTARY CLEANER IS IN OPERATION UNDER PRESSURE
	1.3	EXCESS PRESSURE AND/OR DAMAGED ACCESSORIES CAUSING BLOW OUT OF AIR OR WATER	UNLIKELY	NEGLIGIBLE	5	LOW	- ENSURE EQUIPMENT IS OPERATED PROPERLY	
2.0	IMPACT/CUTTING	2.1	POTENTIAL IMPACT FROM BACK SPRAY CONTAINING WATER/OR DEBRI	LIKELY	NEGLIGIBLE	4	LOW	- WEAR APPROPRIATE PPE ( e.g. GOGGLES AND WATER PROOF CLOTHING ETC)
		2.2	STRIKE WITH UNCONTROLLED HOSE OR COUPLING	UNLIKELY	NEGLIGIBLE	5	LOW	- ENSURE HIGH PRESSURE WASHER IS OPERATED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS - WEAR APPROPRIATE PPE ( e.g. GOGGLES AND WATER PROOF CLOTHING ETC)
3.0	SLIPS/TRIPS /FALLS	3.1	SLIP, TRIP OR FALL DUE TO UNEVEN, SLIPPERY OR STEEP WORK SURFACES	LIKELY	NEGLIGIBLE	4	LOW	- TAKE EXTRA CAUTION WHEN OPERATING ON UNEVEN, SLIPPERY OR STEEP WORK SURFACES - ALWAYS WEAR APPROPRIATE FOOT WEAR
		3.2	SLIP,TRIP OR FALL DUE TO POOR HOUSEKEEPING	LIKLEY	NEGLIGIBLE	4	LOW	- ENSURE THAT APPROPRIATE HOUSKEEPING STANDARDS ARE MAINTAINED AT ALL TIMES TO MINIMISE THE RISK OF A SLIP, TRIP OR FALL - ALWAYS WEAR APPROPRIATE FOOT WEAR
		3.3	TRIPPING ON HOSES	LIKELY	NEGLIGIBLE	4	LOW	- MAKE SURE TO REEL HOSES NEATLY
4.0	BURNS/FIRE	4.1	PERSONAL INJURY – BURNS WHILST DOING MAINTENANCE ON MACHINE	LIKELY	NEGLIGIBLE	4	LOW	- BE CAUTIOUS OF HOT PARTS (SUCH AS MUFFLERS). ALLOW TO COOL BEFORE MAINTENANCE/ADJUSTMENTS
		4.2	FIRE/EXPLOSION WHILST REFUELING ENGINE	UNLIKELY	MAJOR	3	MEDIUM	- SHUT OFF MACHINE AND ALLOW TO COOL BEFORE REFUELING. NEVER REFUEL WHILE MOTOR IS RUNNING. - DO NOT SMOKE AND ENSURE REFUELING IS UNDERTAKEN IN WELL VENTILATED AREA (OUTSIDE, CLEAR OF IGNITION SOURCES)
5.0	ELECTROCUTION	5.1	ELECTROCUTION DUE TO WATER IN CONTACT WITH LIVE ELECTRICAL EQUIPMENT	UNLIKELY	FATALITY	2	HIGH	- ENSURE PRESSURE WASHER IS NOT DIRECTED TO LIVE ELECTRICAL EQUIPMENT
6.0	ERGONOMIC INJURY	6.1	PERSONAL INJURY WHEN LIFTING/OR MOVEMENT ON SITE	LIKELY	MAJOR	2	HIGH	- STAFF TRAINING ON CORRECT LIFTING PROCEDURE
7.0	NOISE	7.1	HEARING DAMAGE DUE TO LONG TERM USE	UNLIKELY	MAJOR	3	MEDIUM	- ALWAYS WEAR HEARING PROTECTION WHILST OPERATING AND/OR IN CLOSE VICINITY OF THE MACHINE

**NOTES:**

- > THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED AS A PRESSURE WASHER ONLY
- > THIS DOCUMENT HAS BEEN PREPARED ACCORDING TO GUIDELINES AND RECOMMENDATIONS FOUND IN:
  1. 'HAZPAK' PRODUCED BY THE WORK-COVER AUTHORITY AND
  2. THE AUSTRALIAN STANDARDS 4024.1.4/5 - 1996
  - "SAFEGUARDING OF MACHINERY - PART 1: GENERAL PRINCIPLES AUSTRALIAN STANDARD, AS/NZS 3760 IN-SERVICE SAFETY INSPECTION AND TESTING OF ELECTRICAL EQUIPMENT.

"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. **NEGLIGIBLE** = 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.