

Working With Ch	emicals For Pipe Soldering	Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF Y PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRI. CIL L.CO. TRACTOR	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



				F	RISK MATRIX			
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
4A       Stop work. The risk is intolerable, a minate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisation is required.       Remember activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisation is required.       Remember activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisation is required.       Remember activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisation is required.       Remember activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisation is required.       1.         2M       Ensure all nominated controls are insprace and efficience. Proceed with caution; monitor conditions.       1.         1L       Proceed, following standard operating procedurer Monitor and keep records.       4.         5.       5.						<ol> <li>Substitute</li> <li>Isolate</li> <li>Engineering</li> </ol>		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	work (2023) and ISO 45001:2018 clauses 6-8.			
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
Insignificant     No injury     no schedule impact     Deviation caught and corrected on site								



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Chemical exposure, Slips and trips	4A	<ul> <li>Ensure adequate ventilation in the work area.</li> <li>Use non-slip mats where necessary.</li> <li>Ensure all work surfaces are clear of obstantions.</li> <li>Verify all necessary equipment is available an innoval working condition.</li> <li>Inspect the area for spillage and clean up immentely.</li> <li>Confirm all emergency equipment is accessible an elemental.</li> <li>Ensure personal corect nequipment (PPE) is available and suitable for all workers.</li> <li>Provide MState for all cherchals to the worker</li> <li>Trainforkers in specific nazards of detanticals used.</li> <li>Imply that a system for tracking chemical use and exposure.</li> </ul>	ЗН
2. Transporting Chemicals	Spillage, Chemical exe	4	<ul> <li>Use al, roplue contruers for transportation.</li> <li>use al, roplue contruers for transport.</li> <li>Transport containers where possible.</li> <li>Implement procedures for handling spills during transport.</li> <li>Limit the number of people involved in transportation.</li> <li>Ensure workers are trained in spill response procedures.</li> <li>Have spill kits readily available.</li> <li>Provide signage indicating hazardous materials during transport.</li> <li>Minimise travel distance where possible.</li> </ul>	2М
3. Mixing Chemicals	Chemical reaction, Exposure to fumes	4A	<ul> <li>Conduct mixing in a well-ventilated area or fume cupboard.</li> <li>Use gloves and eye protection.</li> <li>Ensure all containers are appropriately labeled.</li> <li>Follow manufacturer guidelines precisely for mixing.</li> <li>Use mechanical aids for stirring where applicable.</li> <li>Ensure eyewash stations are nearby and functional.</li> <li>Train workers on correct mixing techniques.</li> <li>Prohibit eating, drinking, and smoking in the mixing area.</li> </ul>	ЗН



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			- Maintain safety data sheets (SDS) readily accessible.	
			- Regularly inspect PPE for wear and tear.	
4. Application of Solder	Burns, Inhalation of fumes	ЗН		2M
5. Cooling and Cleaning	Heat exposure, Cumical exposure	ЗН		2М
6. Storage of Leftover Materials	Improper storage, Chemical leaks	ЗН		1L



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7. Disposal of Chemical Waste	Environmental contamination, Chemical exposure	4A		1L
8. Emergency Preparedness	Inadequate response. Cherrie exposure	μA		1L
9. Post-Project Review	Incomplete review, Lack of improvement	2M		1L



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10. Training and Competency	Lack of training, Incorrect procedures	4A		1L
11. Monitoring and Supervision	Lack of oversight, Non-compliance	ЗН		2М
12. Equipment Maintenance	Equipment failure, Improper use	ЗН		1L



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13. Record Keeping and Documentation	Incomplete records, Loss of information	2М		1L
14. Personal Protective Equipment (PPE)	Incorrect PPE usage, Insufficient protection	4A		1L
15. Health Inspections	Missed hazards, Non-compliance	ЗН		1L



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#### **EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES**

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE R	EFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEG	SISLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health an Safety Actor of Occupational Health and Infetiv orgulations 2017 Legis from VIC: <u>https://www.eccurksafe.vic.gov.au/occupational-health-and-safety-act-and- tulations</u> Codes on viactice VICourtps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislative">https://www.safework.nsw.gov.au/legal-obligations/legislative</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislative</a>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation, 201, Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/wo</u> place- Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestation</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_sa.gov.au/work_saces/codes-of-practice#COPs</u>	Model Codes of Practice  - Managing noise and preventing hearing loss at work - Confined spaces - Labelling of workplace hazardous chemicals - Managing risks of hazardous chemicals in the workplace - Welding processes
Tasmania         Work Health and Safety Act 2012         Work Health and Safety (Transitional and Consequential Provisions) Act 2012         Work Health and Safety Regulations 2012         Work Health and Safety (Transitional) Regulations 2012         Legislation for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>

- Any required documents.