

Chemical	s Handling And Use Risk A	ssessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF TH 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:		ntle:	Date:
CLY		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N			



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
Assist Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required.         3H       Review and approve additional controls the proceed with caution; monitor conditions.         2M       Ensure all nominated controls are in prace and efficience of which caution; monitor conditions.         1L       Proceed, following standard operating procedurer wonitor and keep records.         Consequence Scale:							Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE
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	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance		
			no schedule	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 spill, inhalation of fumes	ЗН	<ul> <li>Ensure all personnel involved are trained in chemic chandling procedures</li> <li>Verify all necessary PPE is available and in concondition</li> <li>Review the Safety Data Sheets (SDS) for each chemical</li> <li>Ensure ventilation systems are operational to carry a fume exposure</li> <li>Secure lids on chemical containers when not in the</li> <li>Confirm spill kits are complete and easily accessible</li> <li>Restrict access for a an of or an orised personnel only</li> <li>Conduct an ease inspect on of equipment or ensure functionality</li> <li>Perform risk a messment specific to tracask at hand</li> <li>Esta is nemergo or response procedures and communicate them clearly</li> </ul>	2M
2. Transportation	container rupture, slip er se azards	21	<ul> <li>Use all ropil be carts of trolleys designed for chemical transport</li> <li>Use all ropil be carts of trolleys designed for chemical transport</li> <li>Use sure of controllers are correctly sealed and labelled</li> <li>Assign a equately trained personnel for transportation duties</li> <li>Iaintain clear and unobstructed pathways for transportation</li> <li>Implement two-person lift rules for heavier loads</li> <li>Use spill containment pallets during transport</li> <li>Conduct regular inspections of transport equipment</li> <li>Implement protocols for dealing with spills during transport</li> <li>Establish safe holding areas</li> <li>Develop and communicate emergency procedures for transportation incidents</li> </ul>	2M
3. Storage	chemical reactivity, fume emission	ЗН	<ul> <li>Store chemicals in accordance with manufacturer instructions</li> <li>Segregate incompatible chemicals to prevent reactions</li> <li>Ensure storage areas have adequate ventilation</li> <li>Implement regular inventory checks to manage stock levels</li> <li>Label all storage areas clearly with hazard information</li> <li>Use bunding to contain potential leaks</li> <li>Train workers on proper storage techniques</li> <li>Monitor temperature and humidity levels in storage areas</li> </ul>	2M



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4. Dispensing	chemical spills, exposure to fumes	ЗН	- Keep MSDS/SDS accessible near storage areas     - Ensure storage racks and shelving are robust and in good condition	2M
5. Mixing	chemical reaction cheat generation	ЗН		2M
6. Application	overexposure to chemicals, slip and fall	ЗН		2M



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7. Waste Management	chemical leaks, environmental pollution	ЗН		2М
8. Maintenance	equipment failure, coosure chemicals	зн		2M
9. Inspection and Auditing	non-compliance, poor safety practices	ЗН		2M



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10. Decontamination	residual chemical presence, surface contamination	ЗН		2M
11. Emergency Procedures	uncontrolled chemical release, injuri	ЗН		2М
12. Training	lack of awareness, improper handling	ЗН		2M



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13. PPE Management	ineffective PPE, incorrect use	ЗН		2М
14. Air Monitoring	toxic fumes, exceeding same usure levels	ЗН		2М
15. Record Keeping	inaccurate data, loss of documentation	ЗН		2M



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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 REF						
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE 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 Octopational Health an estate vice of a constraint of the second secon					
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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weiplace-sector-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestations/compliance/weiplace-sector-laws</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_aces/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 - Einst eid in the workplace					
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/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</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> <li>Work health and eaferty consultation, construction and coordination</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 - Any required documents.	<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>					