

Ventilation Duri	ng Chemical Application F	Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
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THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU O) V AROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensure	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRICE LCO. TRACTOR	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Iv			

Version 2.5 Authorised by Review # Review Date:



RISK MATRIX LIKELIHOOD INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 DO NOT Replace the hazard. LIKELY MODERATE HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

Risk Rating & Required Action:

4A	Stop work. The risk is intolerable, minate the hazard predesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hit er-level authorisation is required.
3H	Review and approve additional controls to the last arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in prace and efficiency roceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor and keep records.

Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
ivioderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance
Insignificant	No injury	no schedule impact	Deviation caught and corrected on site

Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- 1. Eliminate
- Substitute
- Isolate
- 4. Engineering
- 5. Administrative
- 6. PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.



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	Inadequate ventilation leading to chemical fumes, Spillage of chemicals	ЗН	- Conduct a preliminary walk-through to identify potental ventilation challenges. - Ensure all workers are informed of the potentif penemical fumes. - Confirm availability of spill kits and absorberts. - Set up warning signs in potential spillage are. - Assess ventilation systems for proper functioning. - Verify MSDS of the chemical expentilation needs. - Plan for immediate actual if fault eventilation is found. - Keep chemical containers called word not found. - Keep chemical containers called word not found. - School le task curing thous of minimal accupancy. - Ensure mergen exits are accessible.	2M
2. Chemical Inspection	Damaged chemical containers, Incorrect labelling causing miss	31	 Inspec all comical or tainers for wear and tear before use. Looss-coeck law is against safety data sheets for accuracy. Do now chemicals from unlabelled containers. Leport and safely dispose of damaged containers immediately. Designate a trained personnel for inspection roles. Train workers on interpretation of chemical labels. Ensure corrective actions for mislabelling are set immediately. Maintain a log of all chemical inspections conducted. Conduct regular checks even if no immediate action is necessary. Provide training on potential consequences of misuse. 	1L
3. Setup of Ventilation Equipment	Incorrect setup leading to poor air circulation, Overheating of equipment	4A	 Use only experienced personnel for equipment setup. Conduct functionality checks post-setup. Monitor equipment temperatures at regular intervals. Ensure accessibility to ventilation equipment controls. Keep flammable materials away from ventilation equipment. Provide clear instructions for emergency equipment shutdown. Conduct drills to handle ventilation failures. Maintain an inventory of backup equipment on standby. 	2M



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			Protect cables from physical damage and traffic.Regularly service and clean ventilation equipment.	
4. Application of Chemicals	Direct inhalation of chemicals, Skin contact with chemicals	4A		2M
5. Monitoring During Application	Sensor failure, Exceeding safe chemical exposure levels	ЗН		1L
6. Completion and Clean-Up	Improper disposal of chemical waste, Residual fumes in the air	ЗН		1L



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7. Post-Operational Review	Overlooking potential minor incidents, Inadequate documentation leading to future risk planning gaps	2M		1L
8. Maintenance of Ventilation Equipment	Blocked filters, Medical Landre	ВН		2M
9. Training & Induction	Lack of awareness of ventilation system controls, Misunderstanding of chemical handling	4A		1L



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10. Regular Safety Audits	Non-compliance with safety protocols, Unreported hazards	ЗН		1L
11. Emergency Preparedness Drills	Insufficient staff response to ventilati failure, Inadequate evacuation procedures	4A		2 M
12. Use of Personal Protective Equipment	Incorrect fitting, Quality degradation over time	3H		1L

Review Date:



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13. Health Monitoring	Undetected long-term exposure, Non-compliance with monitoring protocols	4A		2M
14. Community Engagement	Community concerns about chemical exposure, Lack of trust in workplace practices	2M		1L
15. Review and Update Procedure Manuals	Outdated procedures, Revised regulatory requirements not addressed	3H		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 REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF 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

New South Wales

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatide

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo_place-

Codes of Practice NT: https://worksafe.nt.gov.au/f

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/le_lation

Codes of Practice for SA: https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs

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: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations

Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice

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.

Victoria

Occupational Health al. Safety Act

Occupational Health and Infety gulations 2017

Legis on VIC: https://www.wksafe.vic.gov.au/occupational-health-and-safety-act-and-

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des on actice VI autros://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation

Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

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
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work