

Operate Paint Spray Equipment Risk Assessment

Business Name:		ABN:
Business Address:		
Contact Person:	Phone:	Email:

THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THE PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard.	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Engineering Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	Administrative Change	
								PPE	
Risk Rating & Required Action:									
4A	Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.								
3H	Review and approve additional controls before task starts. Senior supervisor sign-off needed.								
2M	Ensure all nominated controls are in place and effective. Proceed 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				
Moderate	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									
2. Substitute									
3. Isolate									
4. Engineering									
5. Administrative									
6. PPE									
Always document why a lower-order control is accepted if elimination or substitution is not reasonably practicable.									
<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>									

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	3H	<p>Wear appropriate personal protective equipment (PPE) including gloves, goggles, and suitable respiratory protection.</p> <p>Ensure the work area is clean and free from obstacles before starting.</p> <p>Inspect all equipment for damage prior to use.</p> <p>Confirm that all safety data sheets (SDS) for materials are available and read.</p> <p>Train workers on the correct use of paint spray equipment and chemicals.</p> <p>Implement a cleanup protocol for spills and remove the hazards promptly.</p> <p>Conduct a pre-work safety briefing with all involved personnel.</p> <p>Ensure adequate ventilation is in place and functioning.</p> <p>Establish an exclusion zone around the work area to prevent unauthorised access.</p> <p>Ensure all necessary permits are in place and understood by the workforce.</p>	2M
2. Equipment Setup	Electrical hazard, Incorrect assembly	3H	<p>Check all electrical equipment is tagged and tested.</p> <p>Follow manufacturer guidelines for assembly and use of equipment.</p> <p>Ensure equipment is properly grounded and connected to a suitable power supply.</p> <p>Conduct a visual inspection of cables and connections for any signs of damage.</p> <p>Verify all parts are compatible and in good working condition before use.</p> <p>Use appropriate tools for equipment setup to avoid injury.</p> <p>Implement lockout/tagout procedures if maintenance is required during setup.</p> <p>Ensure visibility and access to emergency stops or shutdown mechanisms.</p> <p>Conduct a trial run of the equipment to confirm proper operation.</p> <p>Provide training on emergency shutdown procedures.</p>	2M
3. Mixing Paint	Toxic fumes, Spillages	4A	<p>Mix paint in a well-ventilated area or use fume extraction systems.</p> <p>Use containers with secured lids to minimize the risk of spills.</p> <p>Wear appropriate PPE, including respirators specifically rated for the chemicals used.</p> <p>Check SDS for handling instructions and hazards before mixing.</p> <p>Store paints and solvents in a cool, dry area away from ignition sources.</p> <p>Use non-sparking tools for mixing.</p> <p>Implement spill containment measures, such as spill trays, during mixing.</p> <p>Train workers on emergency response actions for exposure incidents.</p>	2M

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			Ensure fire extinguishers are available and accessible in the mixing area. Conduct regular monitoring for airborne contaminants and adjust controls accordingly.	
4. Paint Application	Overspray, Skin contact	4A	[REDACTED]	2M
5. Equipment Cleaning	Chemical burns, Inhalation	3H	[REDACTED]	1L
6. Storage of Equipment	Inadequate ventilation, Equipment damage	3H	[REDACTED]	1L

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7. Disposal of Waste	Environmental contamination, Chemical exposure	3H		2M
8. Maintenance and Repairs	Mechanical hazards, Electrical shock	3H		2M
9. Training and Induction	Lack of knowledge, Complacency	2M		1L

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10. Emergency Preparedness	Fire, Uncontrolled exposure	4M	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	2M
11. Supervision and Monitoring	Non-compliance, Unsafe practices	2M	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	1L

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12. Post-Operation Review	Overlooking potential issues, Documentation errors	2M		1L
13. PPE Inspection and Replacement	Worn-out PPE, Incorrect PPE use	1M		1L
14. Environmental Monitoring	Airborne contaminants, Noise pollution	4A		2M

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15. Continuous Improvement	Stagnation, Resistance to change	2M		1L

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 IF ANY STATE THAT 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 and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://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: <https://www.safework.nsw.gov.au/legal-obligations/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-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>

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-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

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/legislation>

Codes of Practice for SA: <https://www.safework.sa.gov.au/workplaces/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.