

Injection Moulder 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	4A ACUTE	DO NOT PROCEED	Elimination Remove the hazard.																																
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE			Substitution Replace the hazard.																																
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE			3H HIGH	Review before work starts.																															
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE			2M MODERATE	Ensure control measures in place.																															
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH			1L LOW	Monitor and keep records.																															
<div><div><div><div><div>Risk Rating & Required Action:</div><div><table><tr><td>4A</td><td>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.</td></tr><tr><td>3H</td><td>Review and approve additional controls before task starts. Senior supervisor sign-off needed.</td></tr><tr><td>2M</td><td>Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.</td></tr><tr><td>1L</td><td>Proceed, following standard operating procedures. Monitor and keep records.</td></tr></table></div></div></div><div><div><div>Consequence Scale:</div><table><tr><th>Consequence</th><th>People (injury/illness)</th><th>Project / Assets</th><th>Compliance / Reputation</th></tr><tr><td>Catastrophic</td><td>Fatality or permanent total disability</td><td>project shutdown</td><td>Significant regulator intervention; criminal prosecution</td></tr><tr><td>Major</td><td>Serious injury/illness (hospital > 5 days)</td><td>critical delay</td><td>Improvement notice; major media coverage</td></tr><tr><td>Moderate</td><td>Medical-treatment injury; lost-time > 1 day</td><td>moderate delay</td><td>Minor breach; adverse client comment</td></tr><tr><td>Minor</td><td>First-aid only, no lost time</td><td>negligible delay</td><td>Isolated non-conformance</td></tr><tr><td>Insignificant</td><td>No injury</td><td>no schedule impact</td><td>Deviation caught and corrected on site</td></tr></table></div></div></div><div><div><div>Notes on Hierarchy of Controls:</div><div>Remember to apply controls in the preferred order shown by the coloured pyramid:</div><div><div><div>1. Eliminate</div><div>2. Substitute</div><div>3. Isolate</div><div>4. Engineering</div><div>5. Administrative</div><div>6. PPE</div></div><div>Always document why a lower-order control is accepted if elimination or substitution is not reasonably practicable.</div><div><i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i></div></div></div></div></div>									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	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
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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	slips, manual handling	3H	<ul style="list-style-type: none"> - Ensure floor is clean and dry - Use safety signage to indicate wet areas - Provide training on manual handling - Use mechanical aids for lifting where possible - Wear appropriate PPE, such as gloves and non-slip footwear - Conduct ergonomic assessments - Implement a buddy system during heavy lifting tasks - Limit the weight of manual loads to recommended guidelines - Plan work to minimise unnecessary movements - Regularly inspect and maintain floor surfaces 	2M
2. Checking Equipment	electrical faults, sharp edges	3H	<ul style="list-style-type: none"> - Isolate power before starting inspection - Follow lock out/tag out procedures - Conduct regular visual inspections for damage - Provide adequate lighting in the work area - Train workers in electrical safety - Use insulated tools - Ensure that equipment covers are in place - Regularly maintain electrical components by qualified personnel - Use appropriate PPE for potential contact with sharp edges - Maintain an equipment register 	1L
3. Material Loading	pinching, crushing	4A	<ul style="list-style-type: none"> - Use guarding to prevent access to danger zones - Implement safe material handling procedures - Install emergency stop buttons - Train workers on hazard identification - Use two-person loading techniques - Provide mechanical aids such as conveyors - Ensure clear communication between team members - Conduct regular maintenance of loading equipment 	2M

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			<ul style="list-style-type: none"> - Use lockout/tagout during maintenance or adjustments - Display clear warning signs near crush zones 	
4. Operation Start-up	entanglement, burns	4A	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	2M
5. Injection Process	overheating, pressure build	4A	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	2M
6. Quality Control Checks	repetitive strain, eye strain	3H	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	1L

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7. Equipment Adjustment	moving parts, high temperatures	4A		2M
8. Maintenance	electrical shock, chemical spills	4A		2M
9. Cleaning	hazardous chemicals, slips	3H		1L

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10. Shut-down	falling objects, strain from improper procedures	3H		1L
11. Troubleshooting	high energy discharge, miscommunication	4A		2M
12. Operator Training	lack of awareness, inexperienced handling	3H		1L

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13. Emergency Procedures	panic, ineffective response	4A		2M
14. Inspection and Testing	equipment failure, incorrect data interpretation	3H		1L
15. Record Keeping	data loss, incomplete records	2M		1L

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16. Communication	miscommunication, language barriers	3H		1L
17. Continuous Improvement	complacency, outdated practices	3H		1L
18. Reinstatement of Work	unexpected operational issues, workflow interruption	4A		2M

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19. Waste Management	chemical exposure, improper waste disposal	3H		1L
20. Safety Audit	non-compliance, overlooked hazards	3H		1L

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SAMPLE

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.