dewpoint group
design | install | maintain

Hazardous Chemical Risk Assessment Form

Hazardous Chemical:	Building Fyreflex Fire Rated Mastic		
How Used:	Applied from a cartridge in a hand held sealant gun		
Location (Used):	Fire Rating	Used By:	23/12/2027
Frequency / duration of use:	Monthly - <15 mins in total	Quantities used:	

Nature of Hazard:				
☐	Toxic	☐	Sensitiser (allergic- type skin or respiratory reaction)
☐	Corrosive	☐	Carcinogenic (cancer)
☐	Harmful	☐	Mutagenic (mutations/ genetic change)
☐	Irritant	☐	Teratogenic (birth defects)
☐	Other hazard/s (specify):		

Monitoring					Could cause injury to/or via:			
Health surveillance is required?	☐	Yes	☐	No	☒	Eyes	☒	Skin
					☐	Inhalation	☐	Ingestion
Air monitoring program required?	☐	Yes	☐	No	☐	Injection	☒	Swallowing

What Control Measures Are in Place or Proposed	Present	Recommended
Isolation (see SDS, section 7)	☐	☒
Fume cupboard	☐	☐
General ventilation	☐	☒
Natural ventilation	☐	☒
Other engineering controls	☐	☐
Safe work methods (e.g., pumping instead of pouring)	☐	☒
Reduce quantity and/or concentration	☐	☐
Information (at least SDS and label)	☒	☐
Ongoing training (hazards, safe use, PPE, health surveillance if applicable)	☐	☐
Personal protective equipment (list): - Safety glasses with side shields/Chemical goggles - Barrier cream with polyethylene gloves - Safety gloves (e.g., lightweight rubber/PVC) - Full body protective clothing (e.g., Overalls)	☐	☒
First aid supplies/equipment (i.e., **eyewash unit**)	☐	☒
First aid training	☐	☐
Evacuation plan, emergency plan and equipment required.	☐	☐
Other controls (specify)	☐	☐

Outcomes	Action required to reduce risks:	
☒ Risks not significant now and not likely to increase	check adequacy of controls and whether any exposure routes are at risk)	
☐ Risks significant but effectively controlled at the moment	☐ No	☐ Yes (specify):
☐ Risks significant and not adequately controlled at the moment		
☐ Uncertain about risks; more detailed assessment required		

Carried Out By:

Print Name:	Robert Anderson	Signature:		Date:	19/02/2025

Approved By:

Print Name:	Robert Anderson	Signature:		Date:	19/02/2025

Likelihood	Criteria
Rare - 1	The event may occur only in exceptional circumstances
Unlikely - 2	Could occur at some time / the event is not expected to occur
Moderate -3	The event may occur
Likely -4	Likely to occur at some time / the event will probably occur
Almost Certain - 5	Has or likely to occur weekly.

Consequence	Safety	Environment
Insignificant – 1	No medical treatment other than first aid required and no lost time injury.	No lasting detrimental effect on the environment. Insignificant damage less than $1000
Minor – 2	Medically treated injury.	Short term, local detrimental effect on the environment or social impact. Plant, property, or equipment damage less than $10,000 and no disruption to business
Moderate - 3	Lost time injury without being admitted to a hospital.	Serious environmental event (discharge of pollution) requires remedial action. Breach of environmental law. No long-term impact on environment. Plant, property, or equipment damage less than $100,000 and minimal disruption to business
Major - 4	Lost time injury resulting in being admitted to hospital with the ability to return to work after treatments.	Any of the above, with the potential for long-term environmental or social impact. Plant, property, or equipment damage less than $1,000,000, major disruption to business
Extreme - 5	Fatality, permanent disability or multiple serious injuries to staff, contractors or public.	Extensive and long-term impacts on the environment and community. Plant, property, or equipment damage more than $1,000,000, major disruption to business i.e., sites shut down

Consequence

Likelihood	1 Insign.	2 Minor	3 Mod.	4 Major	5 Extreme
1 Rare	1	2	3	4	5
2 Unlikely	2	4	6	8	10
3 Moderate	3	6	9	12	15
4 Likely	4	8	12	16	20
5 Almost certain	5	10	15	20	25

Risk Levels

Low (1-3)	Medium (4 – 8)	High (9 – 14)	Extreme (15 – 20)
Works shall be monitored by supervisor. Any risk assessed as presenting a low risk level will be permitted to be controlled using a combination of controls as appropriate, more than one lower-level control must be applied if elimination and or engineering controls are not practicable	Works shall be monitored by senior management. Any risk assessed as presenting high or medium risk level will only be allowed to be controlled using a combination of at least one engineering control and one lower-level controls as appropriate	No works to commence unless otherwise approved by Senior Management. Any risk assessed as presenting high or medium risk level will only be allowed to be controlled using a combination of at least one engineering control and one lower-level controls as appropriate	No works to commence unless otherwise authorised by the Director. Any risk assessed presenting extreme risk level will only be allowed to be controlled using elimination and or engineering controls as the primary source of controls. The activity **MUST** be signed off by director or project manager before proceeding

Hierarchy of Controls	
Eliminate	Can we eliminate or remove the hazard completely?
Substitute	Can we substitute the hazard with something else less dangerous?
Engineer / Isolation	Can we re-design or isolate the hazard completely?
Administration	What controls can we put in place, e.g., training, job rotation, supervision?
PPE	What personal protective equipment is required to undertake this activity?