

Personnel Hazards

Hazard	Likelihood (Cause)	Severity (Effect)	Risk	Mitigation
Power Tool Injury	3 (Carelessness)	4 (Possible Hospitalization)	12, Medium	Secure loose hair, clothing, and jewelry; wear appropriate PPE
Dust Inhalation	3 (Airborne Particulate Debris)	3 (Short To Long Term Respiratory Damage)	9, Medium	Wear appropriate PPE or respirator, work in well ventilated area
Eye Irritation	3 (Airborne Particulate Debris)	2 (Temporary Eye Irritation)	6, Low	Wear appropriate PPE or protective eyewear, wash with water
Epoxy Contact	3 (Resin Spill)	3 (Exposure to Irritant)	9, Medium	Wear appropriate PPE such as gloves or lab coats, wash with water
Workplace Fire	1 (Ignition Of Flammable Substance)	5 (Severe Burns, Loss Of Workspace, Irreversible Damage)	5, Low	Have fire suppression systems nearby, prohibit open flames, and store energetic devices in Type 4 magazines
Hearing Damage	2 (Close Proximity To Loud Noises)	4 (Long Term Hearing Loss)	8, Medium	Wear appropriate PPE such as ear muffs when using power tools
Burns From Motor Exhaust	1 (Proximity To Launch Pad)	3 (Mild To Moderate Burns)	3, Low	Maintain minimum safe launch distances
Injury from Ballistic Trajectory	3 (Recovery System Failure)	5 (Severe Injury, Death)	15, High	Keep all eyes on the rocket and call "heads up" if needed
Premature Ignition	2 (Short Circuit)	2 (Mild Burns)	4, Low	Prepare energetic devices only immediately prior to

				flight
Launch Pad Fire	2 (Dry Launch Area)	3 (Moderate Burns)	6, Low	Have fire suppression systems nearby and use a protective ground tarp
Recovery Related Injury	2 (Uneven Ground, Poisonous Plants, Fast Moving Water)	4 (Broken Bones, Infections, Drowning, Etc.)	8, Medium	Do not attempt to recover from atypically dangerous areas
Power Lines	2 (Rocket Becomes Entangled In Lines)	5 (Death Via Electrocutation)	10, Medium	Call the power company and stand clear until proper personnel arrive