

Job Safety Analysis

ARC - German Swiss International School

Task	Hazards	Controls
1. Drill Machine	1a. Injury from spinning drill	1a-1. Keep fingers away from spinning drill
	1b. Losing control of drill machine	1a-2. Fasten drill bit securely onto the drill machine 1b-1. Clamp objects down securely before attempting to drill into them
	1c. Flying dust/pieces from object being drilled	1c-1. Wear safety glasses at all times while operating the drill machine 1c-2. Wear close-toed shoes
	Required safety equipment: safety glasses, clamp	
In case of accident: call for adult supervisor take first-aid action if injury is severe, call an ambulance		
2. Soldering	2a. Burns from the soldering iron	2a-1. Keep any exposed skin away from the soldering iron 2a-2. Keep a damp sponge nearby to avoid the soldering iron overheating.
	2b. Toxic fumes from the solder	2b-1. Wear a mask while soldering 2b-2. Work in a well-ventilated area, preferably near an open window
	2c. Flying pieces of solder from the soldering iron	2c-1. Wear safety glasses at all times while using the soldering iron
	Required safety equipment: safety glasses, face mask	
In case of accident: call for adult supervisor apply ice to burnt area and hold under running water if the burn is severe, call for an ambulance		
3. Epoxy	3a. Accidental consumption of epoxy	3a-1. Wear gloves at all times while working with epoxy to prevent leaving traces on skin 3a-2. Wash hands with soap after using epoxy
	3b. Toxic fumes from the epoxy	3b-1. Work in a well-ventilated area, preferably near an open window
	Required safety equipment: gloves, face mask	
	In case of accident: if epoxy is accidentally ingested, call for an ambulance	

4. Jigsaw	<p>4a. Injury from the jigsaw blade</p> <p>4b. Flying dust/pieces from object being sawed</p>	<p>4a-1. Keep fingers away from jigsaw blade</p> <p>4a-2. Clamp objects down securely before attempting to saw them</p> <p>4b-1. Wear safety glasses at all times while operating the jigsaw</p> <p>4b-2. Wear close-toed shoes</p> <p>4b-3. Wear a mask to prevent inhaling small pieces of dust</p>
	<p>Required safety equipment: safety glasses, face mask, clamp</p>	
	<p>In case of accident: call for adult supervisor take first-aid action if injury is severe, call an ambulance</p>	
5. Electricity	<p>5a. Electric shocks</p> <p>5b. Fire from electric malfunction</p>	<p>5a-1. Ensure that no one is in the pool while the ROV is switched on and being tested</p> <p>5a-2. Do not leave exposed wires lying around</p> <p>5b-1. Do not twist cables together</p> <p>5b-2. Keep exposed wires away from electrical conductors</p>
	<p>In case of accident: if an electric shock occurs, call for adult supervisor take first-aid action call an ambulance if a fire occurs, attempt to put it out using a fire extinguisher (do not use water) call for adult supervisor if fire is out of control, call the fire department</p>	