

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

DEPARTMENT OF MECHANICAL ENGINEERING

OPERATING A MITER SAW

TASK	HAZARDS	CONTROLS
1. Assess work area; is it clear of obstructions and slip/trip/fall hazards?	<ul style="list-style-type: none"> Slip, trip, or fall 	<ul style="list-style-type: none"> Clear work area of any obstructions or slip/trip/fall hazards
2. Check saw blade for sharpness, obstructions, and properly functioning guard	<ul style="list-style-type: none"> Saw turning on while inspecting Loose, obstructed, or dull blades or guards create pinching hazards Pinching hazards for hands/fingers Lacerations to hands/fingers from blade 	<ul style="list-style-type: none"> Remove power cord prior to and during inspection Adjust and tighten blades and guards Keep hands and fingers clear from pinch points Keep hands and fingers clear from stationary blade
3. Adjust saw to desired miter angle	<ul style="list-style-type: none"> Saw turning on while adjusting blade angle Pinching hazards for hands/fingers 	<ul style="list-style-type: none"> Remove power cord prior to and during angle adjustment Keep hands and fingers clear of pinch points
3. Align materials flat on the miter saw table and flush to the back fence; use clamps if necessary.	<ul style="list-style-type: none"> Pinching hazards for hands/fingers 	<ul style="list-style-type: none"> Keep hands and fingers clear of pinch points
5. Start and operate saw	<ul style="list-style-type: none"> Lacerations to hands/fingers Flying sawdust Excessive noise levels Particulate generated from sawing is hazardous when breathed by operator 	<ul style="list-style-type: none"> Keep hands and fingers well away from moving blade. Use clamps to secure material to the saw fence and table. Never remove or move the blade guard out of the way. Always wear safety glasses when operating equipment Wear ear plugs/muffs if necessary Wear an approved N95 mask when cutting materials

<p>Other Information:</p> <p>Contributors:</p> <p>Created:</p> <p>JSA Library Number:</p>	<p>Required Training:</p> <p>Student Shop Safety Training Program</p> <p>Must complete additional training under guidance of a qualified Student Shop Laboratory Mechanician</p>	<p>Required Personal Protective Equipment (PPE)</p> <p>Safety glasses, ear plugs/muffs</p>
	<p>Makita Miter Saw Manual 1, Makita Miter Saw Manual 2</p> <p>Scott G. McCormick; R&D Engineering Manager, Jacob Gallego; Principal Lab. Mech.</p> <p>July 2020</p> <p>(EH&S will insert number here, if applicable)</p> <p>For more information about this JSA, contact the <i>Office of Environment, Health and Safety</i> at UC Berkeley, 317 University Hall #1150, Berkeley, CA 94720-1150 (510) 642-3073 • http://www.ehs.berkeley.edu</p>	