


Picture of task/equipment:	Task:	Rigid R4222 Miter Saw
	Name of Shop or Dept:	Carpenter Shop
	Job Title(s):	Carpenter
	Analyzed by:	Dawn Tabua
	Date:	8/1/2024

Required PPE:

Work Boots	Hearing Protection	Safety Glasses	Hard Hat	Mask/Face Protection
				

Not permitted: Loose clothing or jewelry, hoodies with pull strings, long hair (must be confined), work gloves

REQUIRED TRAINING:

Review the manufacturer’s operating procedures below:



Rigid R4222 Miter
Saw Manual.pdf

Training must also include one-on-one instruction before first use. The use of this equipment is prohibited from use by individuals without proper authorization and training.

GENERAL HAZARD WARNINGS

When not in use, the saw must be kept unplugged. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust; power tools create sparks which may ignite the dust or fumes. Do not use in the rain or other wet conditions. **DO NOT WEAR GLOVES** when operating this equipment.

Drilling, sawing, sanding or machining wood products generates wood dust and other substances known to the State of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask or other safeguards for personal protection. Proposition 65 warning: This product may expose you to chemical such as lead and chemicals from wood products, which is known to the state of California to cause cancer and birth defects or other reproductive harm. See the user’s manual for more information.

STEPS TO USING THE EQUIPMENT

PREPARATION		
TASK	HAZARDS	CONTROLS
Inspect the equipment	Cuts, electrical shock, flying object	Check for damage, dull attachments, missing parts, and missing guards Use lockout/tagout procedure if damaged. Do not use until equipment is fully functional and in good repair
Inspect the work area	Trip hazard, electrical shock, explosion, fire	Ensure that there are no signs of: clutter, dust water or other liquids, gases, bystanders, or other hazards. Ensure work area is well-lit
Provide a level work surface at least hip height	Musculoskeletal disorders, loss of balance, struck by, tripping hazard	Ensure the equipment is firmly secured to a level work surface before performing any operation. Do not use on the ground
Clear the work surface	Flying object, equipment failure	Remove any scraps, adjusting key, wrench, or debris before turning the equipment on
Don all required PPE before touching the equipment	Sawdust in eyes or lungs, noise, workpiece falling on feet, struck by, pulled in	Follow the guide list to ensure proper PPE is used. Do not wear loose clothing, hoodies with pull strings or long hair
USING THE SAW		
If using outdoors, use only an extension cord suitable for outdoor use	Electric shock	Follow manufacturer's recommendations. Do not use adaptor plugs for this equipment
Ensure equipment is in off position before connecting to power source	Automatic startup, cuts, amputation	Portable equipment should be stored properly when work is done for the day. It must not be left plugged in or at job site
Ensure ON/OFF switch lights up and works properly	Automatic startup, electric shock	Do not use equipment if it cannot be controlled by the ON/OFF switch. Follow lockout/tagout procedure and do not use until repaired
Make adjustments or change accessories	Cuts, amputation	Equipment must be turned off and unplugged before adjustments are made
Ensure guards are in place before using equipment	Cuts, amputation	Guards must always be used and in good working order
Use clamps to support the workpiece whenever possible	Struck by	Unrestrained or moving workpieces could be thrown at high speeds, causing injury
Provide adequate support (such as sawhorses or table) for workpieces larger than the table top	Struck by, cuts, amputation	Workpieces longer or wider than the miter saw table can tip if not securely supported
Ensure miter table and saw are in the lock position before beginning work	Flying parts, struck by, cuts, amputations	Lock the miter table by pushing the miter lock lever down. Lock the saw arm (bevel function) by securely tightening the bevel lock knob

Push the saw through the workpiece. Do not pull the saw through the workpiece	Struck by, cuts, amputation	Cutting on the pull stroke may cause the saw blade to climb on top of the workpiece and violently throw the blade assembly towards the operator
Do not use this saw to cut pieces that are too small to be securely clamped or held by hand	Cuts, amputation	Use this tool only for recommended jobs
Cut one workpiece at a time	Struck by	Stacked wood cannot be clamped and can slip
Keep hands away from fence	Cuts, amputation	Do not reach behind fence while blade is spinning. Turn off the machine before clearing debris or wood
After finishing the cut, release the switch, hold the saw head down and wait for the blade to stop before removing the cut-off piece	Cuts, amputations	Do not reach hand near coasting blade. Cuts or amputations can still occur when blade is slowing down.
Never cross your hand over the intended line of cutting either in front or behind the saw blade	Cuts, amputations	Never support the workpiece cross-handed; keep arms level and steady
Never move the workpiece or make adjustments to the cutting angle while saw is running and the blade is rotating	Cuts, amputation	Follow manufacturer's instructions to prevent serious injury.
Do not walk away from tool while it is on	Cuts, amputations	Turn equipment off and wait until blade stops moving before stepping away from the saw