



JOB SAFETY ANALYSIS

WORK ACTIVITY (Description):

USING AN ANGLE GRINDER

Required PPE

REFLECTIVE VEST	HARD HAT	SAFETY BOOTS	PPE CLOTHING

RECOMMENDED PPE

<input type="checkbox"/> LIFELINE / HARNESS <input type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> FACE SHIELD <input type="checkbox"/> HEARING PROTECTION	<input type="checkbox"/> GOGGLES <input type="checkbox"/> MASK / RESPIRATOR	<input type="checkbox"/> GLOVES Cut-resistant <input type="checkbox"/> OTHER
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¹ JOB STEPS	² POTENTIAL HAZARDS	³ CRITICAL ACTIONS TO MITIGATE HAZARDS
1. Check cord integrity.	Hand cut from cut wires.	Wear leather gloves. Inspect slowly.
2. Check conditions of grinding wheel and appropriate RPM.	(None Foreseen).	
3. Check grinding wheel tightness.	Hand injury from inadvertent starting	Do not plug in the machine until inspection is complete.
5. Verify the guard is tight and appropriate for the job.	Foot injury from dropping the tool	Rest the tool on the bench. Wear steel-toed shoes.
6. Verify the appropriate handle location.	Foot injury from dropping the tool	See controls for Task 4.)
7. Inspect trigger for physical damage and proper operation.	(None foreseen)	
8. Make sure the materials being ground are adequately secured and positioned correctly	Injuries associated with the work propelled by the grinder and/or landing on you	Verify the work is adequately secured by trying to dislodge it with a gloved hand (the work weight may secure it enough). Wear steel-toed shoes.
9. Plug-in the grinder.	Eye and skin damage from projectiles.	Check the trigger switch to insure it is off.
10. Begin grinding	Eye injuries from projectiles and sparks Skin damage from sparks and projectiles Hearing loss Ergonomic considerations. Inhalation of toxic or irritant fume or particulate	Wear safety glasses/goggles and a face shield. Wear leather gloves, long sleeved shirt, long pants, or leather welding guards. Wear ear plugs. (Check Brieser PPE Matrix for proper task) Change position from time to time. Wear vibration resistant gloves. Wear the appropriate respirator based on the content of the metal and its coatings. Contact Brieser Safety Department for evaluation and exposure assessment. Use local or dilution ventilation to direct or collect fumes and/or particulate



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- ¹ Each Job or Operation consists of a set of steps. Be sure to list all the steps in the sequence that they are performed. Specify the equipment or other details to set the basis for the associated hazards in Column 2
- ² A hazard is a potential danger. What can go wrong? How can someone get hurt? Consider, but do not limit, the analysis to: **Contact** - victim is struck by or strikes an object; **Caught** - victim is caught on, caught in or caught between objects; **Fall** - victim falls to ground or lower level (includes slips and trips); **Exertion** - excessive strain or stress / ergonomics / lifting techniques; **Exposure** - inhalation/skin hazards. Specify the hazards and do not limit the description to a single word such as "Caught"
- ³ Aligning with the first two columns, describe what actions or procedures are necessary to eliminate or minimize the hazards. Be clear, concise and specific. Use objective, observable and quantified terms. Avoid subjective general statements such as, "be careful" or "use as appropriate".