JOB SAFETY ANALYSIS	DEPT:	LOCATION:	JOB TYPE:
	CNS	Center for Neuroscience	Shop Worker
POTENTIAL HEALTH OR	SAFE PRACTICE, OR EQUIPMENT		PERSONAL PROTECIVE
INJURY HAZARDS			EQUIPMENT (PPE)
Trips/FallsFlying PartsBodily Injury	 Clean work area before starting. Make sure area is well lit. Secure and tighten all parts before starting. Use proper tool accessories. Check and replace any broken or damaged parts. 		 Long pants, Non-slip, Closed-Toe Shoes Dust Mask Goggles/Safety Glasses Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment.
 Fires or Electrical Shocks Tangled Parts Bodily Injury Eye Injury Back Strain 	 atmospheres. Grounded too properly insta Do not force prifit won't fit. Avoid body consurfaces. Don't expose conditions. Disconnect the before making changing accidented. Do not wear less the long hair. 	ols must be plugged into lled grounded outlets. colarized plugs into an outlet ontact with grounded power tools to rain or wet be plug from power source g any adjustments or essories.	 Long pants, Non-slip, Closed-Toe Shoes Dust Mask Goggles/Safety Glasses Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment.
	POTENTIAL HEALTH OR INJURY HAZARDS • Trips/Falls • Flying Parts • Bodily Injury • Tangled Parts • Bodily Injury • Eye Injury	POTENTIAL HEALTH OR INJURY HAZARDS Trips/Falls Flying Parts Bodily Injury Fires or Electrical Shocks Don't operate atmospheres. Grounded too properly instate Do not force prif it won't fit. Avoid body or surfaces. Don't expose conditions. Bodily Injury Back Strain CNS SAFE PRACTICE Advance PRACTICE Dan't appear or Secure and to starting. Don't operate atmospheres. Grounded too properly instate Do not force prif it won't fit. Avoid body or surfaces. Don't expose conditions. Disconnect the before making changing account of the proper properly in the perior of the property of t	POTENTIAL HEALTH OR INJURY HAZARDS Consider for Neuroscience SAFE PRACTICE, OR EQUIPMENT Safe PRACTICE, OR EQUIPMENT Clean work area before starting. Make sure area is well lit. Secure and tighten all parts before starting. Use proper tool accessories. Check and replace any broken or damaged parts. Pon't operate tools in explosive atmospheres. Grounded tools must be plugged into properly installed grounded outlets. Do not force polarized plugs into an outlet if it won't fit. Avoid body contact with grounded surfaces. Don't expose power tools to rain or wet conditions. Disconnect the plug from power source before making any adjustments or changing accessories. Do not wear loose clothing or jewelry. Tie long hair. Wear goggles or any eye protection.

Effective:	JOB SAFETY	ANALYSIS	DEPT:	LOCATION:	JOB TYPE:
9/21/2017			CNS	Center for Neuroscience	Shop Worker
JOB	POTENTIAL I		SAFE PRACTICE	, OR EQUIPMENT	PERSONAL PROTECIVE
FUNCTION	INJURY H	AZARDS			EQUIPMENT (PPE)
Instructions for use of all tools- After Use	Bodily InjuryElectrical Short	ocks	 Keep sharp cutting edges clean. Lubricate tool, if necessary. Use air compression to clean tool, if necessary. Do not store tools in an area where water can enter. 		 Long pants, Non-slip, Closed-Toe Shoes Dust Mask Goggles/Safety Glasses Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment.
General machining and metal fabrication processes using stationary machine tools; (lathe, mill, drill press, and grinders)	from work paHearing dam audible noise at a sustaine	rom contact operation or ying materials rt. age from above 90dB	 Students, staff, and faculty using the machine shop must have prior authorization and complete the CNS machine shop safety online training. Go to this link for training, https://cnssafety.ucdavis.edu/machine-shop-safety Use tools according to manufacturer's recommendation. Understand use of tools and procedures before commencing work. Use correct tool for the job and ensure that tools are in good condition before starting work. Report any defect tool or machine to Safety Manager. Use the guarding systems and shields. Do not defeat guarding systems 		 Long pants, Non-slip, Closed-Toe Shoes Dust Mask Goggles/Safety Glasses Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment. Wear hearing protection.

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9/21/2017		CNS Center for Neuroscience	Shop Worker
JOB	POTENTIAL HEALTH OR	SAFE PRACTICE, OR EQUIPMENT	PERSONAL PROTECIVE
FUNCTION	INJURY HAZARDS		EQUIPMENT (PPE)
		I T	1
	.5 110dB		
	.25 or less 115dB		
	1		
0 : 1:			
Grinding	Metal dust, silica dust	Use tools according to manufacturer's	Long pants, Non-slip, Closed-
	Noise	recommendation.	Toe Shoes
		Understand use of tools and procedures hefere common sing work	Use dust masks or respirators
		before commencing work.	as appropriate.
		Use correct tool for the job and ensure that tools are in good condition before starting.	 Goggles/Safety Glasses and Face Shields.
		tools are in good condition before starting work.	
			Remove jewelry from hands and neck tic back hair roll up long.
		 Report any defect tool or machine to Safety Manager. 	neck, tie back hair, roll up long sleeves and secure any other
		Safety Manager.	loose clothing that could
			potentially get caught in moving
			equipment.
			 Wear hearing protection.
			Use ear protection
Exposure to	Dermatitis	Limit skin exposure and wash affected	 May require use of a respirator.
cutting fluid	Inhalation hazard	area with soap and water.	Please vist the informational link
and fumes	i iiiialation nazard	 Use ventilation when operation generates 	on the respirator fit program at
		fumes.	http://safetyservices.ucdavis.ed
		Tarrico.	u/article/respiratory-protection-
			<u>program</u>

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JOB FUNCTION	POTENTIAL HEALTH OR INJURY HAZARDS	SAFE PRACTICE, OR EQUIPMENT		PERSONAL PROTECIVE EQUIPMENT (PPE)
Use of oils and lubricants	 Spontaneous combustion from wiping cloths saturated with oil Slip hazard from spilled oil and cutting fluids 	 Dispose of oily cloths in safety can. Keep work area clean. Keep away from ignition sources. Keep fire extinguishers up to date. Store in flammable cabinets 		Consult SDS's for details on recommended PPE.
Use of hand tools	Cuts, abrasions, contusions from contact with point of operation	 Use the proper tool for the job Report unsafe tools to the Facility/Safety Manager 		 Wear safety glasses and face shields if there is a risk of flying debris. Consult equipment user guides for any other PPE recommendations.
Hazardous materials	 Fumes from solvents, paint Fumes and particulates from epoxy composite fabrication 	 Use adequate Keep away from the second of the second o	om ignition sources. I respirator; training class exam required before use. Inguishers up to date. Id body surfaces when Iy composites	 Observe recommended use of PPE from SDS's for chemical being used. Consult Safety Net #50- Guidelines for the Selection of Chemical Resistant Gloves.